



Substitute Specification-Marked Up

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OBJECTIVE Field of the Invention

[0001] The ~~model herein~~ invention is related to improvements ~~introduced~~ in the manufacturing of mattresses, based on the introduction ~~to~~ of more natural latex rubber layers expanded with ventilation channels, which combined with the mattress spring structure provides a resistance and softness mixture ~~model~~ to the user.

Summary of the Invention

[0002] The objective of improving the current structure of mattresses is the introduction of natural materials in the intermediate layers without significant contribution of polymeric ~~derivates~~ derivatives or materials, which sometimes lead to allergic ~~effects to~~ reactions for the user. Another objective is ~~to promote~~ a mattress ~~model~~ that with latex layers permit the dissipation of heat given the perforations thereof as a result of its expanded ~~confirmation~~ conformation, giving the mattress a ventilated ~~elements~~ quality.

[0003] Likewise, the new mattress ~~models~~ permits ~~on~~ in its structure the joining of ~~cover~~ covering padded elements with the latex or rubber layer, ~~sewed~~ sewn in the case of external layers, upper and lower, ~~for~~ the proposed model ~~is being~~ of double face permitting it to be turned upside down to be used ~~by~~ on both sides at the option of the user.

Brief Description of the Drawings

[0004] These and other objectives will become evident along the following description and observation of the annexed figures, wherein:

[0005] FIG. 1 is a ~~general~~ perspective view of the mattress model- ; and

[0006] FIG. 2 is a ~~transversal cut~~ transverse section of the width of the mattress through line \mp 1-1.

~~DESCRIPTION~~ Description of the Preferred Embodiments

[0007] The mattress 10 of ~~our~~ the invention model (FIG. \mp 1) is mono-block, prismatic, rectangular element, generally with a layer or padded cover 11 with superficial design and patterned, ~~stuck~~ attached to an overlapped rubber layer ~~to another similar one~~ and other layers that ~~we~~ will be described in detail below for configuring the width of the body that by its lower face repeats again the padded cover 11.

[0008] FIG. 2, ~~in a way of~~ diagonal cut of the mattress body 10 on its width shows ~~on its~~ in order:

[0009] a padded layer 11 ~~in of~~ textile or ~~gender~~ formed generally of 75% cotton and 25% polyester, which is ~~stuck~~ attached to

[0010] a natural rubber lamina 12 ~~in formed of~~ latex of approximately 35 mm width overlapped to another similar ~~one~~ layer 12

[0011] a plush of natural sisal 14 of 10 mm width, which at the same time ~~contacts~~ is contacted on its lower face with

[0012] a natural cotton ~~13~~ layer 13 of 20 mm width in 2 layers, overlapped to

[0013] another sisal plush 14 resting on

[0014] a metallic spring unit 15, ~~caliper 13~~ with a diameter of 75 mm and height of 125 mm.

[0015] The second cover of the mattress structure is repeated spring from the lower face of the spring unit with a sisal plush layer 14, the cotton laminas 13, the sisal plush 14, the latex rubber layers 12 and the cover ~~padded pad~~ 11, providing

a symmetric structure configuration to the mattress width, which permits such model to be turned upside down for its use by on both sides.

[0016] For illustration of the proposed model dimensional scope, the width of the mattress can reach $40\text{ cm} \pm 0.1 \pm 0.1\text{ cm}$, if we consider the size of each illustrated component, ~~brought as illustration~~. Some characteristics of the mattress ~~structure~~ structural elements are as follows:

[0017] The latex laminas or layers or natural rubber layers ~~on of~~ its 35 mm width are produced through the Talalay system and the superficial perforations made by the mold during the latex aspiration expansion, giving ~~raise~~ rise to a superficial and passing perforation of the formed layer permitting ~~when using the mattress~~ a ventilation of the mattress, dissipating heat, contrary to synthetic foams that produce heat.

[0018] The natural sisal layers making contact with the metallic structure of the spring unit faces act as a support of the agglomerated fibers of processed cotton. This sisal undergoes a process from the sun dried fibers, which are unfolded in plates later permitting ~~agglutination~~ agglomeration and interweaving of fibers for producing a cover or ~~carpet~~ blanket that is cut in accordance with the ~~carpet~~ blanket incorporation measures.

[0019] As outstanding items in the manufacturing technology of our model we find:

[0020] padded covers on the union by sewing of the ~~gender~~ formed cover and the latex

[0021] latex and metallic spring combination providing firmness and elasticity to the mattress

[0022] the perforated latex layer for providing ventilation of the mattress and dissipating heat

[0023] the incorporation of natural products, ~~discarding~~ without the use of synthetic elements with ~~its eventual~~ their

allergic effects and others.

[0024] Therefore the scope of the invention in accordance with the described and illustrated model is defined in the following ~~list of~~ claims: .